Title (en)

ENCRYPTION FOR LOW-END DEVICES THROUGH COMPUTATION OFFLOADING

Title (de)

VERSCHLÜSSELUNG FÜR EINFACHE VORRICHTUNGEN DURCH BERECHNUNGSABLADUNG

Title (fr)

CHIFFREMENT POUR DISPOSITIFS BAS DE GAMME PAR LE BIAIS D'UN DÉCHARGEMENT DE CALCUL

Publication

EP 3455997 A1 20190320 (EN)

Application

EP 17725882 A 20170508

Priority

• EP 16169599 A 20160513
• EP 2017060937 W 20170508

Abstract (en)

[origin: EP3244567A1] The invention relates to a method computing a probabilistic encryption scheme for encrypting a data item in an electronic device comprising the steps of: computing a plurality of random bit strings in a computation cluster; sending the computed plurality of random strings to the electronic device; and generating a random string r E for using in the encryption scheme in the electronic device using a subset of the plurality of the random strings computed in the computation cluster. The present invention also relates to a corresponding system and corresponding computer program product comprising one or more computer readable media having computer executable instructions for performing the steps of the method.

IPC 8 full level

H04L 9/30 (2006.01)

CPC (source: EP US)

H04L 9/008 (2013.01 - US); **H04L 9/0656** (2013.01 - US); **H04L 9/30** (2013.01 - EP US); H04L 2209/08 (2013.01 - US);
H04L 2209/76 (2013.01 - EP US)

Citation (search report)

See references of WO 2017194476A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3244567 A1 20171115; EP 3455997 A1 20190320; US 11075748 B2 20210727; US 2019089526 A1 20190321;
WO 2017194476 A1 20171116

DOCDB simple family (application)

EP 16169599 A 20160513; EP 17725882 A 20170508; EP 2017060937 W 20170508; US 201816189108 A 20181113